



KNOWLEDGE AND SKILLS FOR LOCAL FARMERS

SDG 2 Zero Hunger | Reporting year 2025

1. Overview

UzSWLU makes the agricultural expertise of its academic staff available to local farmers and food producers. Section 12 of the UzSWLU Sustainable Food Policy ([policy document](#)) commits the University to share its relevant academic expertise, including research in the natural sciences, with local farmers and food producers through lectures, seminars and consultations. This work is led by Professor Dilorom Yormatova, Doctor of Agricultural Sciences, of the Department of Ecology and Green Resources, whose research on legumes, cereals and new crops is applied directly on farms across Uzbekistan.

2. Technology and advisory support for farmers

- **Soybean–cotton intercropping technology.** Based on the results of her research, Professor Yormatova developed an agrotechnology for sowing soybean between cotton rows. The technology raises soil fertility, gives farmers an additional grain harvest and a source of clean vegetable oil, reduces the cotton crop's need for mineral fertilizers and creates an ecologically clean soil environment for organic production. It was first tested in field trials in Syrdarya region with high efficiency.
- **Transfer to Andijan farmers.** Professor Yormatova explains the technology and gives practical recommendations to agricultural specialists and farmers in Jalaquduq, Oltinko'l, Xo'jaobod, Bo'ston and Izboskan districts, where farmers have started sowing soybean between cotton rows. Her work was recognized by the Andijan regional administration.
- **Long-term partnership with a farm enterprise.** In Qo'rg'ontepa district of Andijan region, she works with a farm enterprise on an ongoing basis, introducing high-yielding crop varieties and new agrotechnology.
- **Crop varieties and new crops in other regions.** She has introduced productive wheat varieties with farmers in Khorezm, Karakalpakstan and Kashkadarya, and is introducing olive cultivation on farms in Surkhandarya region.
- **Practical training and materials.** She trains farm workers in crop care, monitors their work in the field and distributes copies of her own books on agrotechnology to farmers.



Professor Dilorom Yormatova is congratulated on receiving the Order "Mehnat shuhrati" for her service to agriculture, December 2025

3. Research that informs the advice

The advice is grounded in the Department's research on adapting crops to local conditions, including the introduction of olive (*Olea europaea* L.) in the southern regions of Uzbekistan ([conference paper](#)). Research results are passed on to farmers in the form of practical recommendations on varieties, planting and crop care.

Sources

- Soybean intercropping with Andijan farmers (gujum.uz): <https://gujum.uz/uzbekiston/professor-dilorom-yormatova-andijonlik-...>
- Professor Yormatova's work with farmers (gujum.uz): <https://gujum.uz/mutolaa/hayot-omonat-ezgulikka-intilib-yashash-loz...>
- Olive introduction research: https://ilmiyanjumanlar.uz/uploads/conferences/0098/98_i_20250608_1...